

REMARKS

Claims 1-9 have been cancelled and replaced by Claims 10-21. These claims are supported by the original claims.

An early action of the merits is respectfully requested.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE:

IN THE SPECIFICATION:

At page 1, line 3, the heading --BACKGROUND OF THE INVENTION-- has been inserted.

At page 3, line 18, the heading --SUMMARY OF THE INVENTION-- has been inserted.

At page 4, line 1, the heading --DETAILED DESCRIPTION OF THE INVENTION-- has been inserted.

IN THE CLAIMS:

Claims 1- 9 have been cancelled.

The following claims have been added:

--10. A paint and coating material system comprising

a) at least one solid component comprising at least one organic or inorganic white, black or chromatic pigment, organic or inorganic fillers, or mixtures thereof, and

b) at least one binder component,

wherein the components of the system produce an aqueous dispersion having a particle size of $<60\text{ }\mu\text{m}$ (determined in accordance with ISO 1524: 1983) in water, when dispersed with a specific energy input of less than 150 J/cm^3 , based on the sum of the volumes of the components and water.

11. The paint and coating material system of Claim 10 wherein the solid component a) comprises 30-99.5% by weight of pigments and/or fillers and less than 15% by weight residual moisture, based in each case on the solid component.

12. The paint and coating material system of Claim 10 wherein the solid component a) is used in granular form having an average particle size of 20 – 5000 μm , determined from the mass distribution.

13. The paint and coating material system of Claim 10 wherein the average particle size is 50 – 2000 μm .

14. The paint and coating material system of Claim 10 wherein the average particle size is 100 – 500 μm .

15. The paint and coating material system of Claim 10, comprising
from 1 to 95% by weight of the solid component a)
from 0.1 to 60% by weight of the binder component b) in solid or liquid form
and
from 4.9 to 98.9% by weight of water, based in each case on the paint and coating material system.

16. The paint and coating material system of Claim 10 further comprising a component c), which is a water-soluble or water-miscible organic solvent.

17. The paint and coating material system of Claim 10 wherein the solid component a) is obtained by wet comminution of the pigments and/or fillers in their solid form or as an aqueous or aqueous-organic suspension, optionally in the presence of an additive, and then drying them.

18. The paint and coating material system of Claim 10 wherein the solid component a) is obtained by spray drying.

19. The paint and coating material system of Claim 18 wherein the spray drying is performed in single-fluid or two-fluid spray dryers.

20. The paint and coating material system according to Claim 10 wherein the solid component a) is obtained by freeze drying.

21. A process for painting and coating materials comprising applying an effective amount of the paint and coating material system of Claim 10 on metal, wood, paper, coating slips, wallpaper, leather, nonwovens and textiles.--